

20000419.ba v02_n871.bam.20000419

>From ???@??? Wed Apr 19 16:51:12 2000 -0500
Message-Id: <200004192146.e3JLkh603654@sco.theporch.com>
Date: Wed, 19 Apr 2000 16:46:41 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2871

BOATANCHORS Digest 2871

Topics covered in this issue include:

- 1) Re: BC-348 Questions
by Lenox Carruth <carruth@geo-thermal.com>
- 2) Re: Heath SB301/401 for sale
by jim lockwood <jmlckwd@mindspring.com>
- 3) Gross CB-80
by Merz Donald S <merz.ds@mellon.com>
- 4) Ranger repairs #2
by MODSTEPH@ACS.EKU.EDU
- 5) Re: Push-push doublers?
by polepeeg@aaa4rm.ba-watch.org (Marty's Refl. Drop)
- 6) Re: Mackay 3010C Cogged Belts
by John Kolb <jlkolb@cts.com>
- 7) Availability of 2'nd Class Radiotelegraph License
by "Richard Brunner" <rbrunner@gis.net>
- 8) Re: Push-push doublers?
by "Roberta J. Barmore" <rbarmore@indy.net>
- 9) Re: Canadian made tuner that uses three tubes
by Morris Odell <morriso@vifp.monash.edu.au>
- 10) Manual for HW-22A needed
by AA5QT@aol.com
- 11) Mackay 3010C cogged belts
by Tom Smith <tsmith@hal-pc.org>
- 12) RE: Ranger vfo problem
by James Hanlon <knjhanlon@uswest.net>
- 13) Re: BC-348 Questions
by "Steve" <scb@fly.hiwaay.net>
- 14) Halli SR-18 dual audio/tx power tube?
by "Hue Miller" <kargokult@proaxis.com>
- 15) Black moulded tublar caps - leakage
by Chuck Swiger <cswiger@widomaker.com>
- 16) Re: Black moulded tublar caps - leakage
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 17) Re: Ranger VFO problem
by Roy Morgan <roy.morgan@nist.gov>
- 18) Fwd: BOATANCHORS digest 2870

- by Roy Morgan <roy.morgan@nist.gov>
19) SPRAGUE T0-5
by w5sqe@iname.com
20) Re: [MilSurplus] BC-348 Model no. ???
by David Stinson <arc5@ix.netcom.com>
21) PAPER FOR COLLINS 515F-2 PS
by JOHN.SEHRING@ecunet.org
22) Oops... BIG TIME
by "Ed Tanton" <n4xy@att.net>

Message-ID: <38FC6122.7467232B@geo-thermal.com>
Date: Tue, 18 Apr 2000 08:20:34 -0500
From: Lenox Carruth <carruth@geo-thermal.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BC-348 Questions
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Headphone set? Try using a 4000 ohm to voice coil transformer and it will work fine with a speaker. A LS-7 works great and is a WW-II speaker although many were also manufactured after the war. Many current military speakers are set up for 4000 ohm operation. Be sure you have the audio output connected to the 4000 ohm tap in the radio.

Steve wrote:

>
> . . . Great headphone SWL set!!
>
> Regards; Steve

--

Lenox

Lenox Carruth Dallas, TX carruth@geo-thermal.com
Collector of WW-II Communications Equipment and Memorabilia

Wanted: TBX-8 Antenna, Key, Canvas Case, Accessory Box

Message-Id: <3.0.32.20000418055232.006fbd58@pop.mindspring.com>

Date: Tue, 18 Apr 2000 06:20:05 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: jim lockwood <jmlckwd@mindspring.com>
Subject: Re: Heath SB301/401 for sale
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 02:46 PM 04/16/2000 -0500, gpewitt wrote:
>Reason for sale? They are too modern for me.

Spoken like a true, BA addict!!!!!! Ya gotta love Gary's motivation.....

73,

Jim - k4ccf

Message-ID: <20000418171310.29374.qmail@mellon.com>
From: Merz Donald S <merz.ds@mellon.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Gross CB-80
Date: Tue, 18 Apr 2000 13:09:12 -0400
MIME-Version: 1.0
Content-Type: text/plain

I was recently lucky enough to pick up a 1937-vintage Gross CB-80 transmitter. This uses an Eimac 35T in the final (which is why I am looking for a couple of these), driven by a 6L6. It's a typical rackmount transmitter design with power supply in the bottom, batteries for bias, then the modulator in the middle, RF deck above that and the antenna tuner on top. This unit has the optional meter section too with a strip of 4 surface-mount Gross meters.

The rig came with the original manual. But the manual does not ever mention the antenna tuning section. The tuner seems to be missing something and the thermocouple ammeter must be cooked because the needle rests at the top of its range. Also, it came with coils for 40 meters only--and two of those are home-made.

So if anyone has any docs or other info on this fine old TX or a nearby relative like the CB-100, then I would appreciate hearing from you. I would also appreciate any leads on original coils. Finally, I'd be happy to share the docs that I do have on this rig, if anyone needs a copy.

One other thing, how is the name pronounced? Is it a long O like "GrOss?" Or a shorter, almost U-sound, like "Gruess?" Or something else? Does anyone know for sure?

73, Don

Date: Tue, 18 Apr 2000 15:45:02 -0400 (EDT)
From: MODSTEPH@ACS.EKU.EDU
Subject: Ranger repairs #2
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <01J0DX6D2FBE0013WI@ACS.EKU.EDU>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

Thanks to response from first message I got the VFO taken care of (including new 0A2). On the way in I had to move the keying subassembly added to the later models. I got a dual paper cap (15/15 mfd @150/150) which looks as though it needs replacing (can I use two 22 mfd there? Those I got and they'll fit), and found a dreaded black beauty. It would be a 47K if a resistor: yellow/violet/orange/dark nondescript band/ red.

I do not have schematic that includes this critter - any help with value on the thing appreciated - plus time to get a "new" manual since my old one seems to have disappeared.

Would also appreciate the by-the-book current I need to be looking at - resting current - for setting the correct bias on the slide-adjust resistor.

TIA,

73, Al N5AIT

Date: Tue, 18 Apr 2000 15:45:19 -0400
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
Message-Id: <200004181945.PAA16762@aa4rm.ba-watch.org.>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Push-push doublers?

Wl...

Push-push runs in any operation class. Flywheel effect of output tank gets a nudge twice for every incoming sine wave.

I don't know what class my 6J6 lash-up was. grounded cathode, 200V plate @ ~20 ma. Drive from URM25 thru link-coupled p-p input 'til output

flattens. You tell me the class.

Spectrum on 1L2 pretty much all 2x input 'til output flatten drive-point.

Where does class AB & zero-crossing distortion come in? We talking pre-war WE westrex audio gear now?

I did notice that flemenco background music sounded odd while it ran.

M

Date: Tue, 18 Apr 2000 13:19:13 -0700 (PDT)
From: John Kolb <jlkolb@cts.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Mackay 3010C Cogged Belts
Message-ID: <Pine.BSF.4.21.0004181308510.47588-1000000@king.cts.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 17 Apr 2000, Sandy W5TVW wrote:

> >Sometime in the last year someone came up with a source or
> substitution for
> >the cogged belts (Gilmer belts?) used in the ITT- Mackay 3010C
> receiver. In
>
> As every 3010 owner should know by now....Mackay does not have
> any spares and hasn't supported this set for several years now.
> Another caveat is the fibreglass, two color, 16 mm. dial tape!
>
> Hopefully someone will come forward with more info/ideas.

The only 3010 I ever saw was about 20 years ago when someone had me replace the tape/belt with one of the digital displays I was making at the time. (KRS brand-sold by Radio West)

It's a pretty easy set to add a digital display to for those that only care about performance instead of original condition. One of the several after market dispalys available should work nicely.

Ducking and hiding,

John KK6IL

Message-ID: <011f01bfa977\$3dfc23c0\$692f29d8@tneltdcs>
From: "Richard Brunner" <rbrunner@gis.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Availability of 2'nd Class Radiotelegraph License
Date: Tue, 18 Apr 2000 16:44:40 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Quoth the FCC; "Nevermore."

I wrote:

"Thank you for your response, but I need clarification. I asked about the 2'nd class telegraph license, and you responded about the 2'nd class 'phone license. It is probably a typo, but I would really like to know."

The FCC wrote:

"It will be better if you would access our information bulletin that will give you information on what licenses are currently available. This bulletin will also give you information on how to obtain each license.
<http://www.fcc.gov/wtb/commoperators>"

Their web site shows the following as discontinued licenses:

1'st Class 'Phone
2'nd Class 'Phone
3'rd Class 'Phone
Broadcast Endorsement
Aircraft 'Telegraph Endorsement

So, it looks like 2'nd Class 'Telegraph is presently available. Time to hit the books.

Richard Brunner, AA1P, rbrunner@gis.net

Date: Tue, 18 Apr 2000 16:59:10 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Old Tube Radios <boatanchors@theporch.com>
cc: BA <boatanchors@sco.theporch.com>
Subject: Re: Push-push doublers?
Message-ID: <Pine.SUN.4.10.10004181613310.13928-100000@indy3>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi!

OF COURSE a push-push doubler runs Class C, kids; the output at the plates ain't never gonna be a real sinewave nowhow: it's nearly the same kind of stuff you get from a full-wave rectifier! Just a trail of half-sines.

In practice, we cheat even that; in class C, the tube's (or tubeses or tubas, whatever is the singular and plural possessive) cut off **more** than half the time, and what we see at the point where the plates of each pushiful half come together is a bunch of short, unipolar pulses at twice the rate of the stuff we fed to the push-pull grids at the other end. This goes hammerin' off to the plate tank, whomp-whomp-whomp, and we count on having decent Q there so the tank will ring out lovely sinewaves at the freq of interest--as a side benefit, fair Q also helps attenuate the harmonic content. "Only the brave deserve the fair," as the old quote goes, and if you're brave enough to try this delightful technique from before civilization fell, you do owe it to yourself to strive for fair sigs--maybe a Q of 10-12 **and** some additional filterage, if the situation merits.

A Class-A leeeeeeeanear amplifier is "pure gain in a box." **Everything** else relies on sleight-of-physics to get by. The trick is knowing what gets by!

There ain't no such thing as "push-push Class B" (the waste!), but if there was, there would not be any "crossover distortion" because the output never "crosses over!" --And we do hang a tuned circuit there, which does absolve a multitude of infidelituous sins in the manner stated above. (Class B is pretty much a push-pull deal **if** you are fretting wideband fidelity). --Okay, there is a little glitchy as the wave (scoped at the plate and DC-coupled) heaves its way off zero; but once we sum the two pushy plates and then extract the tasty RF, the glitch is not at the point where the waveform crosses zero. (Where is it? It sinks to the bottom, in the manner of home-brewed rootbeer).

"Push-push Class A," I leave for the class themselves. There are better ways to make space heaters.

The West Coast Gang--Frank Jones, the "Radio" Magazine/Editors and Engineers crew, etc.--were fond of push-push doublers. Someone else has already mentioned the nifty trick by which we get a neatly neutralized (and, for the poor recovering sidebanders, yes, **Class C**) final simply by turning off the heater of one of the push-pushers. The long-suffering and ever-faithful 6L6 was made to dance this dance often, so I suppose you might ask an 807 couple if they know the steps, were you so minded to play the tune. C'mon, drop a nickel in the jukebox and dust off that key or

Actual Plate Modulator--ya never know...!

73,
--Bobbi

('Swelp me, them darn leeeeneears leanin' in from one side and poetic,
full-auto keeeeeeyers from the other, not to mention the packetrats under
the floorboards, it is any wonder the hobby's gotten a bit rickety?)

(Oh, here comes the nice nurse with my medication..... ;)

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore
FISTS #3388 * G-QRP #10001 * ARRL * RSGB * WIA
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

Message-ID: <38FCCF1F.803ED6BB@vifp.monash.edu.au>
Date: Wed, 19 Apr 2000 07:09:51 +1000
From: Morris Odell <morriso@vifp.monash.edu.au>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Canadian made tuner that uses three tubes
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jerry Proc wrote:

> Gimmicks...gimmicks...is all I can say. You gotta' hand it to the boys
> in the marketing department
>
> Here is a VERY EXPENSIVE Canadian made tuner that uses three tubes

Nauseating :-(

From: AA5QT@aol.com
Message-ID: <71.2547eb2.262e4c9d@aol.com>
Date: Tue, 18 Apr 2000 19:41:17 EDT
Subject: Manual for HW-22A needed
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Anyone have one, or a copy they'd sell me?

73, Gary K5QT

Message-ID: <38FCF621.395F981A@hal-pc.org>
Date: Tue, 18 Apr 2000 18:56:17 -0500
From: Tom Smith <tsmith@hal-pc.org>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Mackay 3010C cogged belts
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I bought two belts from Mackay roughly a year ago and didn't get the impression that they were out or even running low on stock. I think I also priced the dial strip tape (ouch) but decided I really didn't need it that bad. If interested, I'll look around for the contact at Mackay that had the belts. I recall they were about \$30 each. Not cheap but the new one will probably last longer than me.

73 Tom N5AMA

Message-ID: <38FD2292.DC9D0F53@uswest.net>
Date: Tue, 18 Apr 2000 21:05:55 -0600
From: James Hanlon <knjhanlon@uswest.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Ranger vfo problem
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Al,

Before you tear into the vfo box, why not see if you can locate the B+ lead going into it and measure the amount of current being drawn. That would tell you whether you need to go any further, at least at this time.

73,

Jim

Message-Id: <200004190522.e3J5MgI11043@mail.hiwaay.net>
From: "Steve" <scb@fly.hiwaay.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 19 Apr 2000 00:16:11 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT
Subject: Re: BC-348 Questions

>"--Just FMI, what kind of items were simplified & lower cost?"

Thanx for your responses, Hue.

The IF unit in the "Q" I had here looked pretty "cheezy" to me, like it had come off the same line as an AA-5. Also, I like a way to match the available antenna to the set, which the "ANT ALIGN" control provides on the others. The lack of component boards and the nice wiring looms also seem to denote cost-conscious assembly technique. There are other compromises in the W-Gs, such as the bandswitch detent. Excepting the retention of the cast alloy skeleton and the RF modules, they just come across as a cheap knock-off of the others. However, they do have more room for experimentation and are really a simpler assembly, esp in the IF. I can readily see why the mods were mainly centered around the W-G versions. The others are really too nice to cut up anyway (even tho' that didn't stop a previous owner of my "L" from having a "go" at it). Pristine on the top it was, but a real rats nest underneath. Hope he nicked his fingers cutting the loom! As I said, just my opinion. And yes, the LF capability is pretty much a waste of a bandswitch point these days.

Best Regards; Steve Bringhurst

Message-ID: <005001bfa9d6\$85474840\$a5c36ac6@oemcomputer>
From: "Hue Miller" <kargokult@proaxis.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Halli SR-18 dual audio/tx power tube?
Date: Wed, 19 Apr 2000 01:08:59 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Say, didn't hallicrafters have a No-vice type rig, SR-18 maybe, basically an S-38 with the audio output tube also working as a low power xtal controlled transmitter? If so- how did they do this? I mean handle the different bias requirements? Also were the audio and RF load circuits just in series in the plate lead? This inquiry inspired by me reading an ad for the "United Mighty Mite" 12BA6 det. 50B5 audio + transmitter 4.5 watts 80 & 40,

35W4 rectifier. Oh, how i'd like to buy this kit, but it seems the firm has relocated....
Hue Miller

Message-Id: <3.0.1.32.20000419083826.00936ba0@thomasst>
Date: Wed, 19 Apr 2000 08:38:26 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Chuck Swiger <cswiger@widomaker.com>
Subject: Black moulded tublar caps - leakage
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang -

Just got a box full of orange drop replacement caps in last night, and started into replacing the black-plastics in the Halli SX-62A this morning. I tried to defy conventional wisdom but on testing with a known good Heathkit Condenser checker, yep, they're all leaky - "Closed eye indicates esccessive leakage". Sometimes the eye would barely open as the dial swings past the marked value.

Just a big 'thank-you' to all the pioneers out there who've kept the art of fixing sets and tinkering w/ electronics alive - it's almost mundane now, enter web order for caps at AES site, order some bristol keys from McMaster-Carr, order manual from the manual man, a well stocked junk box and you've got everything you need!

Chuck
kb4new
cswiger@widomaker.com

Message-Id: <3.0.1.32.20000419091603.014c29e0@vuse.vanderbilt.edu>
Date: Wed, 19 Apr 2000 09:16:03 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
Subject: Re: Black moulded tublar caps - leakage
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:38 AM 4/19/00 -0400, you wrote:

>

> Just got a box full of orange drop replacement caps in last
>night, and started into replacing the black-plastics in the Halli
>SX-62A this morning. I tried to defy conventional wisdom but on
>testing with a known good Heathkit Condenser checker, yep, they're
>all leaky - "Closed eye indicates esccessive leakage". Sometimes

>the eye would barely open as the dial swings past the marked value.

>

No surprise. Note that "closed eye indicates excessive leakage" refers to the high voltage test, not the balance as you imply above. While it is true that a leaky cap will result in a weak indication of balance as well, a failure to open on a balance measurement can also result from things like excessive series resistance (which is also a no-no with paper caps).

Bottom line: Do both tests, balance and HV. The slightest misbehavior of paper caps indicates replacement. Electrolytic caps can result in some eye closure, but if it nears complete closure, you ultimately may have trouble with the cap under test. Note that with the Heathkit tester, the "sensitivity" of the eye drops when you click on the Power Factor control, which should be done with electrolytic caps. This helps to compensate for their natural leakage. Even a brand-new electrolytic may result in closure if tested without clicking the PF control on.

> Just a big 'thank-you' to all the pioneers out there who've
>kept the art of fixing sets and tinkering w/ electronics alive.

And I am pleased to report that the wobbly SX-28 I sniveled about last week is tanking along nicely now. It did require replacement of one or more mica caps. I don't exactly know which one was the culprit, since I replaced all of them (opening and closing that section of the RF box took about 5 hours altogether). No warbling at all, took about 20 minutes to stabilize from cold and it dialled in nicely on all bands. This is a very nice set, only pre-war unit (aside from S27 line) I've seen that has credible sensitivity above 20 mHz. Down side is that it still is quite deaf below 1 mHz, and there seems to be nothing to blame....

73 A. B. Bonds

Message-Id: <4.2.0.58.20000419122835.00a0c710@sdct-sunsrv1.ncsl.nist.gov>

Date: Wed, 19 Apr 2000 12:54:38 -0400

To: Old Tube Radios <boatanchors@theporch.com>

From: Roy Morgan <roy.morgan@nist.gov>

Subject: Re: Ranger VFO problem

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

>

>From: MODSTEPH@ACS.EKU.EDU

>Subject: Ranger VFO problem

... Took it out of the case... and found it wearing the
>electronic equivalent of a chastity belt. How on earth
>do I get inside the recoubt that shelters the VFO?

The VFO housing can be removed by the following steps (these are from memory, my complete description is on another computer and can be found no doubt in the archives.)

0) Do NOT remove all the screws visible on the top of the VFO housing. Do NOT remove the screws at the sides of the housing. Do NOT remove the VFO tuning shaft coupling. Do NOT remove the circle clips from the phenolic adjustment devices.

1) Mark the orientations of the adjustment devices on the top of the housing.

2) Unfasten the connections from the top front of the VFO housing to the top rear of the front panel: there are at least one terminal strip with pilot lamp connections and a very important ground connection.

3) Visually locate the four studs at the lower edges of the VFO housing. You will remove a nut from each of them from the underside.

4) Invert the transmitter and remove the cover that protects the bandswitch. The phenolic adjustment rods each have a metal spring in the end. These springs engage the adjustments in the VFO housing. These springs must not be lost and must be in place upon re-assembly. A conical shaped hole in the end of the rod ensures that the rod with its spring engages the slotted end of the adjustment.

5) Locate and remove the four nuts and lockwashers that fasten the housing to the chassis.

6) Upright the chassis and remove the housing by wiggling and pulling straight up.

Here are some steps you may wish to carry out while you have the thing apart:

0) Do NOT move any of the adjustments. OR, set them all to one orientation for re-assembly and be prepared to do a complete re-alignment. If the rods have become mis-aligned, do not be alarmed. It is possible to re-align all adjustment rods before fastening the housing with its nuts. Let the thing sit on the mis-aligned adjustments and turn each one to get it to snap into place. This is best done with the chassis in normal horizontal position.

1) Move the 18K VR tube dropping resistor outside the VFO housing.

2) Move the VR tube outside the VFO housing, or replace the VR tube with a suitably cooled or heat sunk solly state device.

3) Clean and apply DeOxit and/or ProGold to the variable capacitor ground wiper.

- 4) Apply a SMALL drop of oil to the VFO capacitor shaft at the front of the bushing.
- 5) Apply DeOxit and/or ProGold to the tube socket pins.
- 6) Test and replace the VFO tube with a new one.
- 7) Clean, lubricate, and treat with DeOxit and/or ProGold the Bandswitch.

Upon reassembly:

- 1) Clean the bottom edge of the housing for good contact with the chassis.. Similarly, clean the chassis at the are where the housing will contact it. A pencil with rubber eraser end is good for this. Vacuum out any abrasive residue.
- 2) Ensure that the adjustment rods are lined up with the adjustment devices in the VFO.
- 3) Reverse the removal procedure. (Hey, I copied that from a military manual that tells how to remove and replace a helicopter turbine engine.)
- 4) Ensure that the pilot lamp connections are restored and that the grounding strap is connected from the VFO housing top front to the rear top of the front panel.
- 5 If you replace the VFO tube with a new one, allow some hours of burn in before completing final frequency alignments (alinements sic.)

Roy

-

Roy Morgan

Keep em glowing! K1LKY since 1959
7130 Panorama Drive, Derwood MD 20855
301-330-8828

Message-Id: <4.2.0.58.20000419125712.00a0edf0@sdct-sunsv1.ncsl.nist.gov>
Date: Wed, 19 Apr 2000 13:11:52 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Roy Morgan <roy.morgan@nist.gov>
Subject: Fwd: BOATANCHORS digest 2870
Cc: Carruth <carruth@geo-thermal.com>,

"Prof. Arthur I. Larky" <ail0@lehigh.edu>,
"User Na4g Boatanchor Bob NA4G" <na4g@weedcon2.cropsci.ncsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>From: "Prof. Arthur I. Larky" <ail0@lehigh.edu>
>To: Old Tube Radios <boatanchors@theporch.com>
>Subject: Re: LM info WTD

...Lenox Carruth wrote:

> >
> > One of the list members has developed a computer program that will allow
> > you to recreate the calibration book for a BC-221 or LM frequency
> > meter. Very simple, great program.
>
>I'm the author of the program; I'm still waiting for information on the
>low-series LMs so I can finish the program. ...
>Art K3HBA

Bob Keys wrote such a program a long time ago (a copy of this message to him). It used to be available for download from his FTP site, but may not be now. I cannot find it on "the BAMA site" (<ftp://bama.sbc.edu/downloads/>).

I wonder if Art's new effort at this will be windows based, print a book the size needed for the LM or for the BC-221, both front and back of the paper and all sorts of other stuff which takes advantage of our modern computahs and printers.

Art: what do you need about the "low series LM's"? Do you mean info on the early models that had slightly different frequency coverages? I don't think I have one of those among the units I have, but do let me know if I can help you in this effort. I volunteer to be a beta tester as you make progress.

LONG LIVE THE LM!!

Roy

-

Roy Morgan
Keep em glowing! K1LKY since 1959
7130 Panorama Drive, Derwood MD 20855
301-330-8828

From: w5sqe@iname.com
MIME-Version: 1.0
Message-Id: <000419141914HS.27096@weba3.iname.net>
Date: Wed, 19 Apr 2000 14:19:14 -0400 (EDT)
Content-Type: Text/Plain
Content-Transfer-Encoding: 7bit
To: Old Tube Radios <boatanchors@theporch.com>
Subject: SPRAGUE T0-5

Need a copy of the instruction manual, with schematic, for a Sprague Model T0-5 Capacitor Analyzer.
Perfer to pay for cost of copying and mailing.
Jim Tolar
W5SQE@iname.com

Get free personalized email at <http://www.iname.com>

Message-ID: <38FDFC43.7406FF2B@ix.netcom.com>
Date: Wed, 19 Apr 2000 13:34:44 -0500
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: MilSurplus@qth.net, boatanchors@listserv.tempe.gov, boatanchors@qth.net, boatanchors@theporch.com
Subject: Re: [MilSurplus] BC-348 Model no. ???
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wn4i@aol.com wrote:

>
> I have a ...BC-348but the name plate is goneplease tell me
> the way to recognize a P from a Q modelany difference I can tell by
> the schematics ?

If it has four 6SK7s, it's a J,N,or Q model (J and N are electrically identical to a Q).

If it has four 6K7s, it's an H,K,L or R model.

If it has a type 41 output tube, it's a P, M, or E model.

> What the market value ?....the case also looks nice .
Depends entirely on exactly what modifications have been done.
Absolutely original and unmodified with dyno will go
over \$200. If it has *any* holes drilled in it *anywhere,*

I wouldn't personally pay \$40 for it. Just depends.

73 DE Dave Stinson AB5S

Date: Wed, 19 Apr 2000 17:40:29 -0400 (EDT)
Message-Id: <200004192140.RAA12225@ecunet.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: PAPER FOR COLLINS 515F-2 PS
From: JOHN.SEHRING@ecunet.org

To: boatanchors@theporch.com

I'm in need of a copy of paperwork for a Collins 515F-2 power supply.

It is currently packed away somewhere so I can't get to its serial number, if that's important.

Tnx es 73

-John Sehring (Wed, Apr 19, 2000, Custer SD) UCC WB0EQ

From: "Ed Tanton" <n4xy@att.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Oops... BIG TIME
Date: Wed, 19 Apr 2000 17:46:12 -0400
Message-ID: <CKEGICNFDIMCEKEDCEHFEEIBCAAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, I did it again. I just got what was supposed to be an upgraded CD-R/W control program from Adaptec called: "WIN-on-CD v.3.7 Power Edition". It was powerful alright... and TOTALLED my entire OS HDD partition. That means unrecoverable: MS IE5 incl. all URLs; MS Outlook incl: ALL emails for the past several years, all 'Contacts'/Address book; etc. etc.

I am up and running again, as you can see, but I have no way to contact anyone beyond those email addresses I can remember, or happen to see. If I am supposed to send you anything, I need an email about it-otherwise I'm dead in the water. I'm also having to figure out the email addresses of my non-qth.net reflectors (QRP-L, Drakelist, Boatanchors... to name a few.) I apologize for the BW, but there's no other way to do this.

Not even a signature left. 90% of my software must be reloaded. Not a good week.

Ed Tanton N4XY n4xy@arrl.net

End of BOATANCHORS Digest 2871
